

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 24, 2004, 11:09:36 / Search time 147 Seconds

(without alignment)  
6312.094 Million cell updates/sec

Title: US-10-063-675-17

Perfect score: 1672

Sequence: 1 gcagcgcgcgcgcgcgcg...aaaaaaaaaaaaaaaaaaaaa 1672

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database: Issued Patents NA:\*

1: /cgn2\_6/ptodaca/2/ina/5A COMB.seq.\*  
2: /cgn2\_6/ptodaca/2/ina/5B COMB.seq.\*  
3: /cgn2\_6/ptodaca/2/ina/6A COMB.seq.\*  
4: /cgn2\_6/ptodaca/2/ina/6B COMB.seq.\*  
5: /cgn2\_6/ptodaca/2/ina/PTCUS COMB.seq.\*  
6: /cgn2\_6/ptodaca/2/ina/backfile1.seq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	911.4	54.5	1124	2	US-08-966-316-11 Sequence 11, Appl
2	359.6	21.5	2876	4	US-09-489-847-22 Sequence 22, Appl
3	348.2	20.8	2871	4	US-09-489-847-111 Sequence 111, Appl
4	93	5.6	1091	4	US-09-328-965-1 Sequence 1, Appl
5	91.6	5.5	336	4	US-09-640-173-33 Sequence 33, Appl
6	91.6	5.5	336	4	US-09-713-550-33 Sequence 33, Appl
7	90.4	5.4	336	4	US-09-640-173-53 Sequence 53, Appl
8	90.4	5.4	336	4	US-09-713-550-53 Sequence 53, Appl
9	89.6	5.4	1582	3	US-08-545-196B-10 Sequence 10, Appl
10	89.6	5.4	1582	3	US-08-545-196B-12 Sequence 12, Appl
11	88.2	5.3	1342	4	US-09-489-847-89 Sequence 89, Appl
12	87.4	5.2	1066	1	US-08-157-101A-4 Sequence 4, Appl
13	87.4	5.2	2447	2	US-09-014-969-14 Sequence 14, Appl
14	87	5.2	194	4	US-09-621-976-9596 Sequence 9596, Ap
15	86.8	5.2	1117	3	US-09-247-373B-33 Sequence 33, Appl
16	86.8	5.2	6671	1	US-08-280-443-1 Sequence 1, Appl
17	86.8	5.2	6671	1	US-08-457-459-1 Sequence 1, Appl
18	86.8	5.2	6671	1	US-08-555-678-1 Sequence 1, Appl
19	86.8	5.2	6671	5	PCT-US95-02275-1 Sequence 1, Appl
20	86.4	5.2	990	4	US-09-800-729-79 Sequence 79, Appl
21	86.4	5.2	3715	4	US-09-334-245-1 Sequence 1, Appl
22	86.4	5.2	6409	4	US-09-967-908A-1 Sequence 1, Appl
23	86.2	5.2	336	4	US-09-640-173-10 Sequence 10, Appl
24	86.2	5.2	336	4	US-09-640-173-10 Sequence 10, Appl
25	86	5.1	2852	3	US-09-027-137-2 Sequence 2, Appl
26	86	5.1	2852	4	US-09-344-441-2 Sequence 8, Appl
27	85.8	5.1	1641	1	US-08-300-903A-8 Sequence 8, Appl

28	85.8	5.1	1641	4	US-08-988-197-8 Sequence 8, Appl
29	85.4	5.1	1048	4	US-09-489-847-38 Sequence 38, Appl
30	85.2	5.1	7724	4	US-08-486-049-1 Sequence 1, Appl
31	85	5.1	1297	4	US-09-800-729-80 Sequence 80, Appl
32	85	5.1	1474	3	US-08-821-994-64 Sequence 64, Appl
33	84.8	5.1	323	4	US-09-621-976-10374 Sequence 10374, A
34	84.6	5.1	177	4	US-09-621-976-1047 Sequence 1047, Ap
35	84.6	5.1	639	4	US-09-482-273-49 Sequence 49, Appl
36	84.6	5.1	1141	4	US-09-800-729-78 Sequence 78, Appl
37	84.6	5.1	1736	3	US-09-182-816-22 Sequence 22, Appl
38	84.6	5.1	1736	3	US-09-182-816-24 Sequence 24, Appl
39	84.6	5.1	1736	3	US-09-471-528-22 Sequence 22, Appl
40	84.6	5.1	1736	3	US-09-471-528-24 Sequence 24, Appl
41	84.6	5.1	1736	3	US-09-634-530-22 Sequence 22, Appl
42	84.6	5.1	1736	3	US-09-634-530-24 Sequence 24, Appl
43	84.6	5.1	2323	4	US-09-149-476-24 Sequence 24, Appl
44	84.6	5.1	2434	4	US-09-489-847-67 Sequence 67, Appl
45	84.4	5.0	396	4	US-09-640-173-16 Sequence 16, Appl

## ALIGNMENTS

RESULT 1  
US-08-966-316-11

Sequence 11, Application US/08966316

Patent No. 5932445

GENERAL INFORMATION:

APPLICANT: Lal, Preeti

APPLICANT: Au-Young, Janice

APPLICANT: Reddy, Roopa

APPLICANT: Murty, Lynn E.

APPLICANT: Mathur, Preeti

TITLE OF INVENTION: SIGNAL PEPTIDE - CONTAINING PROTEINS

NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:

ADDRESSER: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/966,316

FILING DATE: Herewith

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0424 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555

TELEFAX: 650-845-4166

INDEX:

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 1124 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: LEUKOT03

CLONING: 1880692

US-08-966-316-11

```

1      RESULT 2
2      US-09-489-847-22
3      ; Sequence 22, Application US/09489847
4      ; Patent No. 6476195
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Rosen et al
7      ; TITLE OF INVENTION: 98 Human Secreted Proteins
8      ; FILE REFERENCE: P2031p1
9      ; CURRENT APPLICATION NUMBER: US/09/489,847
10     ; CURRENT FILING DATE: 2000-01-24
11     ; EARLIER APPLICATION NUMBER: PCT/US99/17130
12     ; EARLIER FILING DATE: 1999-07-29
13     ; EARLIER APPLICATION NUMBER: 60/094,657
14     ; EARLIER FILING DATE: 1998-07-30
15     ; EARLIER APPLICATION NUMBER: 60/095,486
16     ; EARLIER FILING DATE: 1998-08-05
17     ; EARLIER APPLICATION NUMBER: 60/096,319
18     ; EARLIER FILING DATE: 1998-08-12
19     ; EARLIER APPLICATION NUMBER: 60/095,454
20     ; EARLIER FILING DATE: 1998-08-06
21     ; EARLIER APPLICATION NUMBER: 60/095,455
22     ; EARLIER FILING DATE: 1998-08-06
23     ; NUMBER OF SEQ ID NOS: 376
24     ; SOFTWARE: Patentin Ver. 2.0
25     ; SEQ ID NO 22
26     ; LENGTH: 2876
27     ; TYPE: DNA
28     ; ORGANISM: Homo sapiens
29     ; US-09-489-847-22

```

QY	2	CAGCGGCGAGGGGCGGGTGTGGCTGAGTCCGTGTGGCAAGGCGAAGGGGACAGCTC	60
Db	10	CGCGGCGAGGGCGGGGTGTGGCTGAGTCCGTGTGGCAAGGCGAAGGGGACAGCTC	69
QY	61	-----ATCGGGTCCGATAGGGCTGACGCTGCT	92
Db	70	AAGGGGTGGCA CGGCGCCGAGAGGAGATCGGGGTCCGATTAAGGCTGACGCTGCT	122
QY	93	GGTGGGGTGGCTGAGCTTGCCCTCGGCGCTCTCCGATGAAGAAAGGCAACCGAGATGA	155
Db	130	GGTGGGGTGGCTGAGCTTGCCCTCGGCGCTCTCCGATGAAGAAAGGCAACCGAGATGA	188
QY	153	ATCCTTAGATTCAGAGCTACTTTTGCATCATAGATGATCACTAAAGCACTACTGC	215
Db	190	ATCCTTAGATTCAGAGCTACTTTTGCATCATAGATGATCACTAAAGCACTACTGC	245
QY	213	AAGCAGAGTAGTGTCTGTGCAATATTTCTTGATTCAGAGAATCTGATTAGATCTC	277
Db	250	AAGCAGAGTAGTGTCTGTGCAATATTTCTTGATTCAGAGAATCTGATTAGATCTC	308
QY	273	TATTCAGAGGAAGGAGCAGCTCCAGAGGCAAGGGGGAAAGTGTCCAGAAATAT	332
Db	310	TATTCAGAGGAAGGAGCAGCTCCAGAGGCAAGGGGGAAAGTGTCCAGAAATAT	369
QY	333	CAGCTTCTAGAGTCTCCAAATCCAGAAAACAAGACTATGAGAGCCAAAGAAATAG	392
Db	370	CAGCTTCTAGAGTCTCCAAATCCAGAAAACAAGACTATGAGAGCCAAAGAAATAG	429
QY	393	GAAACCACTTGAACCCGCAAT 414	
Db	430	GAAACCACTTGAACCCGCAAT 451	

RESULT 3  
US-09-489-847-111  
; Sequence 111, Application US/094898477  
; Patent No. 6476195  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al